

Blair using the results of the correlating to provide well-informed accounting information related to the flow to the accounting application.

B. Blair (Once Amended) The method of claim 6, wherein using comprises:
reporting a transaction stop indication in response to the change of the given flow state to the rejected state.

9. (Once Amended) The method of claim 2, correlating further comprises:
processing the captured IP packet.

B. Blair 9. (Once Amended) A computer program product residing on a computer-readable medium for analyzing a flow for an accounting application, comprising instructions to cause a computer to:

capture an IP packet from a network segment;
determine if the captured IP packet includes a message of a first protocol type for providing error reporting, the message having an embedded IP packet that triggered an error event, the embedded IP packet being of a second protocol type and having a flow associated therewith;

correlate the flow associated with the embedded IP packet to a stored parent flow of a given state to associate the error event with the given state of the stored parent flow; and

use results of the correlating to provide well-informed accounting information related to the flow to the accounting application.

20. (Once Amended) The computer program product of claim 19, wherein the first protocol is the Internet Control Message Protocol.

21. (Once Amended) The computer program product of claim 19, wherein the second protocol type is the Transmission Control Protocol.

22. (Once Amended) The computer program product of claim 19, wherein the first protocol type is the Internet Control Message Protocol and the second protocol type is the Transmission Control Protocol.

24. (Once Amended) A system for flow of network packet data, comprising:
a processor;
a memory storing a computer program product residing on a computer-readable medium for analyzing a flow for an accounting application, comprising instructions to cause a computer to:
capture an IP packet from a network segment;
determine if the captured IP packet includes a message of the first protocol type for providing error reporting, the message having an embedded IP packet that triggered an error event, the embedded IP packet being of the second protocol type and having a flow associated therewith;
correlate the flow associated with the embedded IP packet to a stored parent flow of a given state to associate the error event with the given state of the stored parent flow; and
use the results of the correlating to provide well-informed accounting information related to the flow to the accounting application.

26. (Once Amended) The system of claim 24 wherein the first protocol is the Internet Control Message Protocol.

27. (Once Amended) The system of claim 24 wherein the second protocol type is the Transmission Control Protocol.

28. (Once Amended) The system of claim 24 wherein the first protocol type is the Internet Control Message Protocol and the second protocol type is the Transmission Control Protocol.